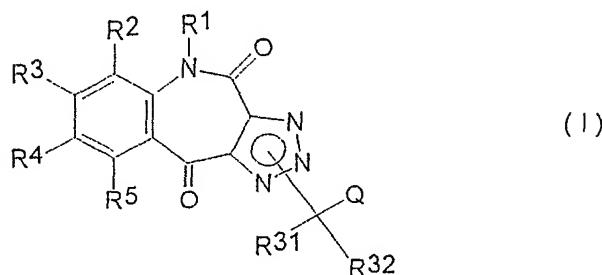


CLAIMS

1. A compound represented by formula (I) or a physiologically acceptable salt or solvate thereof:



wherein

R^1 represents a hydrogen atom, a hydroxyl group, C_{1-4} alkyl, or phenyl C_{1-4} alkyl;

R^2 , R^3 , R^4 , and R^5 , which may be the same or different, represent any one of the following (a) to (n):

(a) a hydrogen atom;

(b) a halogen atom;

(c) an optionally protected hydroxyl group;

(d) formyl;

(e) C_{1-12} alkyl which may be substituted by a halogen atom;

(f) C_{2-12} alkenyl which has one or more carbon-carbon double bonds and may be substituted by

(1) a halogen atom,

(2) cyano,

(3) $-COR^9$ wherein R^9 represents a hydrogen atom or C_{1-6} alkyl,

(4) $-COOR^{10}$ wherein R^{10} represents a hydrogen atom or C_{1-6} alkyl,

(5) $-CONR^{11}R^{12}$ wherein R^{11} and R^{12} , which may be the same or different, represent

(i) a hydrogen atom,

(ii) C_{1-6} alkyl which may be substituted by amino optionally substituted by C_{1-4} alkyl, phenyl optionally substituted by C_{1-4} alkyl which may be substituted by a saturated five- to seven-membered heterocyclic ring containing one or two nitrogen atoms (the nitrogen atoms may be substituted by C_{1-4} alkyl), or a saturated or unsaturated five- to seven-membered heterocyclic ring,

(iii) phenyl which may be substituted by carboxyl, or

(iv) a saturated or unsaturated five to seven-membered heterocyclic ring,

(6) a saturated or unsaturated five- to seven-membered heterocyclic ring which may be substituted by C_{1-4} alkyl or may form a bicyclic ring fused with another ring;

(g) C_{1-12} alkoxy which may be substituted by

(1) a halogen atom,

(2) a hydroxyl group,

(3) cyano,

(4) C_{3-7} cycloalkyl,

(5) phenyl,

(6) C_{1-4} alkoxy,

(7) phenoxy,

(8) amino which may be substituted by C_{1-4} alkyl,

(9) $-COR^{13}$ wherein R^{13} represents a hydrogen atom, C_{1-6} alkyl, phenyl optionally substituted by halogen or C_{1-4} alkoxy, or phenyl C_{1-4} alkyl,

(10) $-COOR^{14}$ wherein R^{14} represents a hydrogen atom or C_{1-6} alkyl,

(11) $-\text{CONR}^{15}\text{R}^{16}$ wherein R^{15} and R^{16} , which may be the same or different, represent a hydrogen atom or C_{1-6} alkyl which may be substituted by a saturated or unsaturated five- to seven-membered heterocyclic ring, or

(12) a saturated or unsaturated five- to seven-membered heterocyclic ring which may be substituted by C_{1-4} alkyl or phenyl C_{1-4} alkyl;

(h) $-\text{C}=\text{N}-\text{OR}^{16}$ wherein R^{16} represents a hydrogen atom, C_{1-6} alkyl, phenyl C_{1-4} alkyl, or phenyl;

(i) $-(\text{CH}_2)_m\text{OR}^{17}$ wherein m is an integer of 0 to 4, and R^{17} represents a hydrogen atom, C_{1-6} alkyl, or phenyl C_{1-4} alkyl of which one or more hydrogen atoms on the benzene ring may be substituted by C_{1-4} alkyl;

(j) $-(\text{CH}_2)_k\text{COR}^{18}$ wherein k is an integer of 1 to 4, and R^{18} represents a hydrogen atom or C_{1-4} alkyl;

(k) $-(\text{CH}_2)_j\text{COOR}^{19}$ wherein j is an integer of 0 to 4, and R^{19} represents a hydrogen atom or C_{1-6} alkyl;

(l) $-(\text{CH}_2)_p\text{-NR}^{20}\text{R}^{21}$ wherein p is an integer of 1 to 4, and R^{20} and R^{21} , which may be the same or different, represent

(1) a hydrogen atom,

(2) C_{1-6} alkyl which may be substituted by amino optionally substituted by C_{1-4} alkyl,

(3) phenyl C_{1-4} alkyl,

(4) $-\text{COR}^{22}$ wherein R^{22} represents a hydrogen atom or C_{1-4} alkyl which may be substituted by carboxyl, or

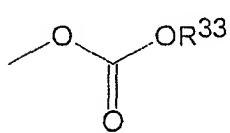
(5) $-\text{SO}_2\text{R}^{23}$ wherein R^{23} represents C_{1-4} alkyl or phenyl which may be substituted by a halogen atom;

CONTINUATION SHEET

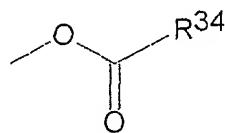
(m) $-(\text{CH}_2)_q\text{CONR}^{24}\text{R}^{25}$ wherein q is an integer of 0 to 4, and R²⁴ and R²⁵, which may be the same or different, represent a hydrogen atom, a saturated or unsaturated five- to seven-membered heterocyclic ring, or C₁₋₆ alkyl which may be substituted by a saturated or unsaturated five- to seven-membered heterocyclic ring, or alternatively R²⁴ and R²⁵ may form a saturated or unsaturated five- to seven-membered heterocyclic ring together with a nitrogen atom to which they are attached (the heterocyclic ring may further contain at least one oxygen, nitrogen, or sulfur atom, may form a bicyclic ring fused with another ring, or may be substituted by C₁₋₄ alkyl); and

(n) $-\text{NR}^{26}\text{R}^{27}$ wherein R²⁶ and R²⁷, which may be the same or different, represent a hydrogen atom or $-\text{COR}^{28}$ wherein R²⁸ represents a hydrogen atom, C₁₋₆ alkyl, or phenyl which may be substituted by C₁₋₄ alkyl or C₁₋₆ alkoxy optionally substituted by phenyl; R³¹ and R³², which may be the same or different, represent a hydrogen atom or C₁₋₆ alkyl which may be substituted by a halogen atom; and

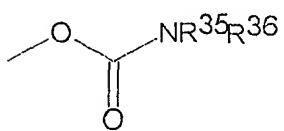
Q represents a group selected from the following groups (i) to (iv) or a halogen atom or C₁₋₆ alkoxy:



(i)

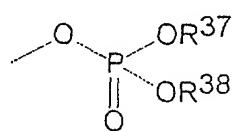


(ii)



(iii)

; and



(iv)

wherein

R^{33} represents

C_{1-6} alkyl which may be substituted by C_{1-6} alkoxy optionally substituted by C_{1-6} alkoxy, phenyl optionally substituted by C_{1-6} alkoxy, amino, or nitro, or a saturated or unsaturated five- to seven-membered heterocyclic ring optionally substituted by C_{1-6} alkoxy, amino, or nitro,

phenyl which may be substituted by C_{1-6} alkoxy, amino, or nitro, or

a saturated or unsaturated five- to seven-membered heterocyclic ring which may be substituted by C_{1-6} alkoxy, amino, or nitro, or

R^{33} may form C_{1-4} alkylene together with R^{31} or R^{32} ,

R^{34} represents

C_{1-16} alkyl which may be substituted by a halogen atom, carboxyl, phenyl optionally substituted by C_{1-6} alkoxy, amino, or nitro, or a saturated or unsaturated five- to seven-membered heterocyclic ring optionally substituted by C_{1-6} alkoxy, amino, or nitro,

phenyl which may be substituted by C_{1-6} alkoxy, amino, or nitro, or

a saturated or unsaturated five- to seven-membered heterocyclic ring which may be substituted by C_{1-6} alkoxy, amino, or nitro,

R^{35} and R^{36} , which may be the same or different, represent a hydrogen atom or C_{1-6} alkyl which may be substituted by amino optionally substituted by C_{1-4} alkyl or

R^{35} and R^{36} may form a saturated or unsaturated five- to seven-membered heterocyclic ring together with a nitrogen atom to which they are attached, and

R^{37} and R^{38} , which may be the same or different,

DETERMINED
NOT
TO BE
RECORDED

represent C₁₋₆ alkyl.

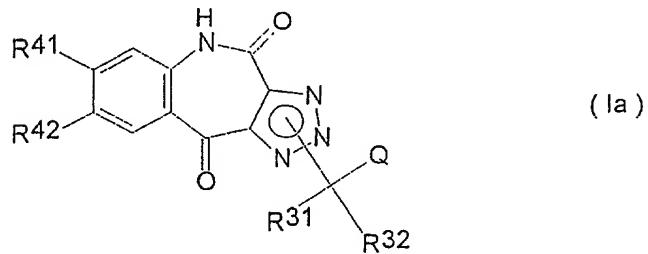
2. A compound according to claim 1, wherein R¹ represents a hydrogen atom and R², R³, R⁴, and R⁵ represent a hydrogen atom or (g) C₁₋₁₂ alkoxy.

3. A compound according to claim 1, wherein R¹, R², and R⁵ represent a hydrogen atom and R³ and R⁴ represent a hydrogen atom or (g) C₁₋₁₂ alkoxy.

4. A compound according to claim 1, wherein R¹, R², R⁴, and R⁵ represent a hydrogen atom and R³ represents (g) C₁₋₁₂ alkoxy.

5. A compound according to claim 1, wherein R¹, R², R³, and R⁵ represent a hydrogen atom and R⁴ represents (g) C₁₋₁₂ alkoxy.

6. A compound represented by formula (Ia) or a pharmacologically acceptable salt or solvate thereof:



wherein R⁴¹ and R⁴², which may be the same or different, represent a hydrogen atom, optionally protected hydroxyl, C₁₋₆ alkoxy which may be substituted by a halogen atom, or C₁₋₆ alkyl which may

be substituted by a halogen atom and R³¹, R³², and Q are as defined in claim 1.

7. A compound according to claim 6, wherein R⁴¹ and R⁴² represent C₁₋₆ alkoxy and Q represents group (i).

8. 2-(1-isopropoxycarbonyloxy-2-methylpropyl)-7,8-dimethoxy-4(5H),10-dioxo-2H-1,2,3-triazolo[4,5-c][1]benzazepine,

2-(1-(1,3-diethoxy-2-propoxycarbonyloxy)-2-methylpropyl)-7,8-dimethoxy-4(5H),10-dioxo-2H-1,2,3-triazolo[4,5-c][1]benzazepine,

2-(1-(1,3-diethoxy-2-propoxycarbonyloxy)-2-methylpropyl)-8-isopropoxy-7-methoxy-4(5H),10-dioxo-2H-1,2,3-triazolo[4,5-c][1]benzazepine, or

8-isopropoxy-2-(1-isopropoxycarbonyloxy-2-methylpropyl)-7-methoxy-4(5H),10-dioxo-2H-1,2,3-triazolo[4,5-c][1]benzazepine, or a salt or solvate thereof.

9. A pharmaceutical composition comprising the compound according to any one of claims 1 to 8 or a pharmacologically acceptable salt or solvate thereof.

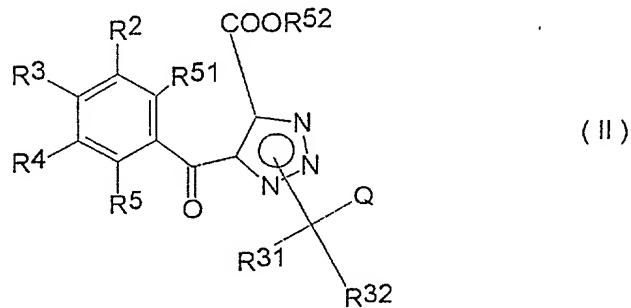
10. A pharmaceutical composition according to claim 9 for use in the treatment of allergic diseases.

11. A method for the treatment of an allergic disease, comprising administering to mammals the compound according to any one of claims 1 to 8 or a

pharmacologically acceptable salt or solvate thereof together with a pharmaceutically acceptable carrier.

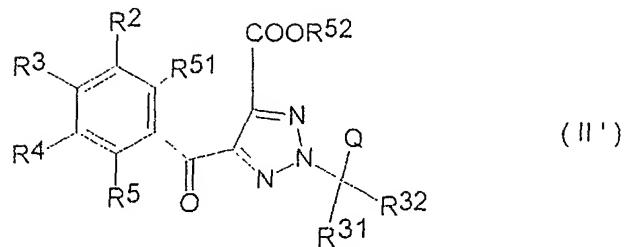
12. Use of the compound according to any one of claims 1 to 8 or a pharmacologically acceptable salt or solvate thereof for preparing a therapeutic agent for allergic diseases.

13. A compound represented by formula (II) or a salt or solvate thereof:



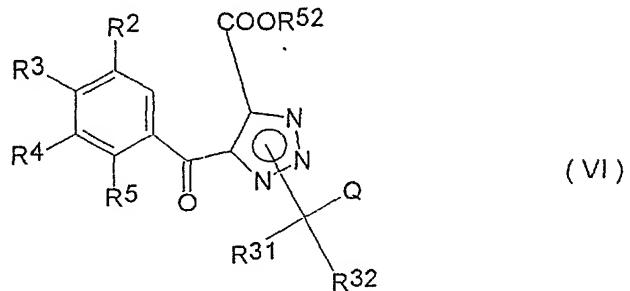
wherein R^{51} represents nitro or amino, R^{52} represents a hydrogen atom or a protective group for carboxyl, and Q , R^2 to R^5 , R^{31} , and R^{32} are as defined in claim 1.

14. A compound represented by formula (II') or a salt or solvate thereof:



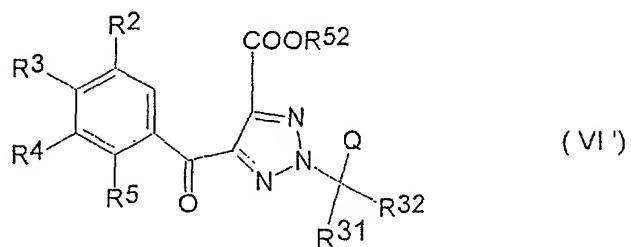
wherein Q, R² to R⁵, R³¹, R³², R⁵¹, and R⁵² are as defined in claims 1 and 13.

15. A compound represented by formula (VI) or a salt or solvate thereof:



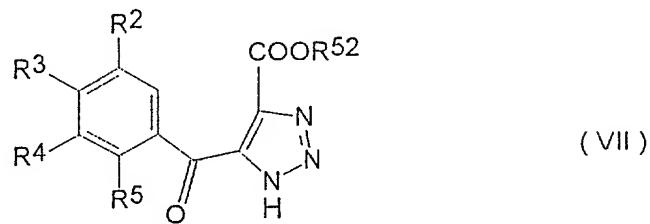
wherein Q, R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13.

16. A compound represented by formula (VI') or a salt or solvate thereof:



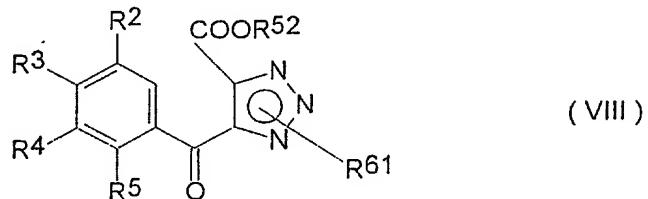
wherein Q, R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13.

17. A compound represented by formula (VII) or a salt or solvate thereof:



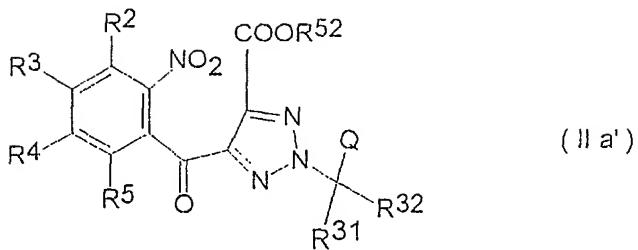
wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13.

18. A compound represented by formula (VIII) or a salt or solvate thereof:



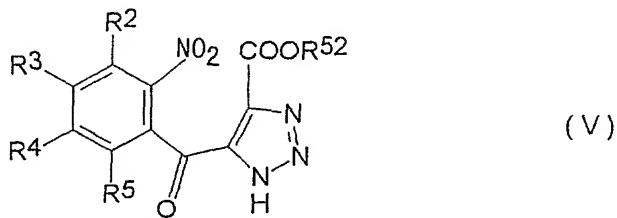
wherein R⁶¹ represents a protective group for triazole and R² to R⁵ and R⁵² are as defined in claims 1 and 13.

19. A process for preparing a compound represented by formula (IIa')



wherein Q represents group (i) as defined in claim 1 and R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13, which comprises the steps of:

- (1) reacting a compound represented by formula (V)



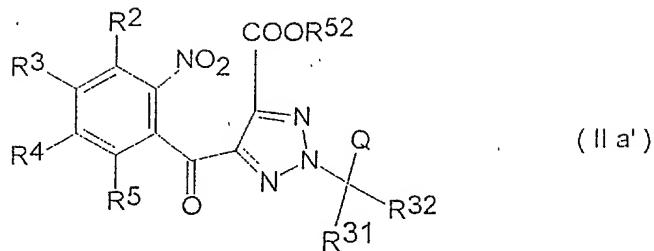
wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,

with a compound represented by R³¹R³²C=O wherein R³¹ and R³² are as defined above in claim 1;

(2) reacting the compound prepared in step (1) with a compound represented by R⁷¹-C(=O)-R⁷² wherein R⁷¹ and R⁷² each independently represent a chlorine atom, 4-nitrophenyl, or 1-imidazolyl; and

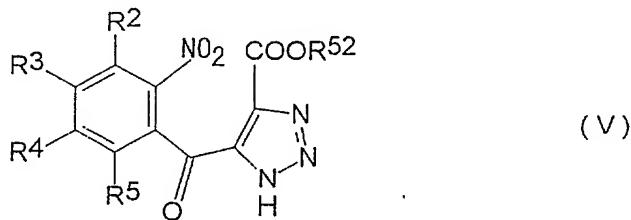
(3) reacting the compound prepared in step (2) with a compound represented by R³³OH wherein R³³ is as defined in claim 1.

20. A process for preparing a compound represented by formula (IIa')



wherein Q represents the group (i) as defined in claim 1 and R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13, which comprises the steps of:

- (1) reacting a compound represented by formula (V)

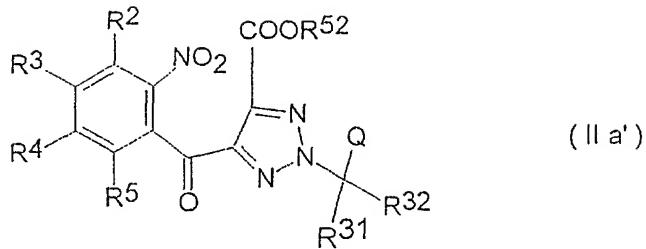


wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,

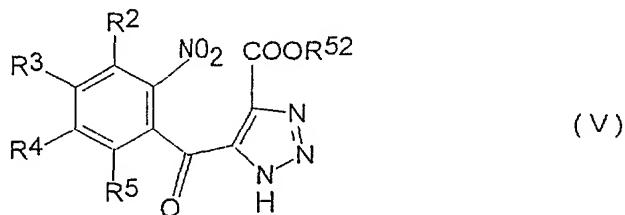
with a compound represented by R³¹R³²C=O wherein R³¹ and R³² are as defined in claim 1; and

- (2) reacting the compound prepared in step (1) with a compound represented by HalCOOR³³ wherein Hal represents a halogen atom and R³³ is as defined in claim 1, in the presence of an alkali metal carbonate and an alkali metal iodide.

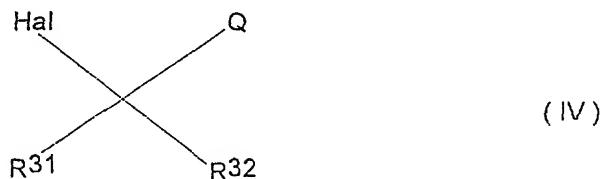
21. A process for preparing a compound represented by formula (IIa')



wherein Q represents group (i) as defined in claim 1 and R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13, which comprises the step of reacting a compound represented by formula (V)



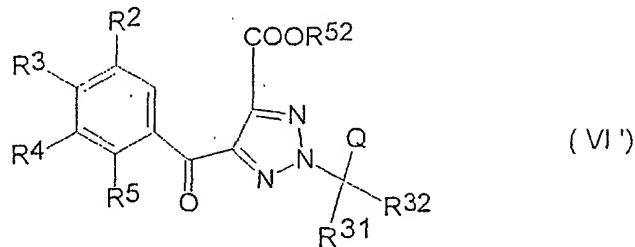
wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,
with a compound represented by formula (IV)



wherein Hal represents a halogen atom, Q represents the group (i) as defined in claim 1, and R³¹ and R³² are as defined above, in the presence of an inorganic base and an alkali metal iodide.

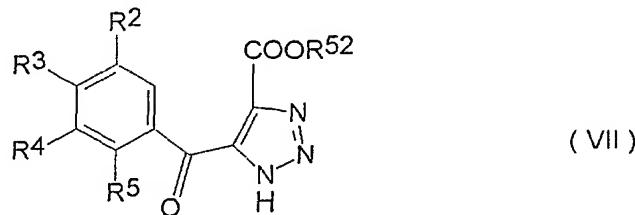
22. A process for producing a compound

represented by formula (VI')



wherein Q represents the group (i) as defined in claim 1, R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13, which comprises the steps of:

- (1) reacting a compound represented by formula (VII)

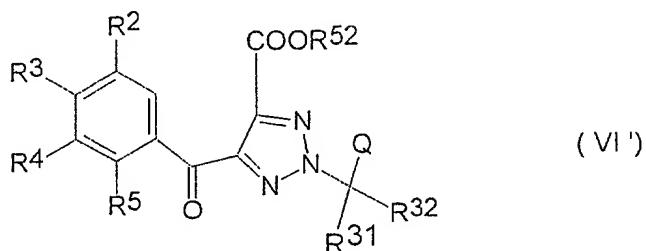


wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13, with a compound represented by R³¹R³²C=O wherein R³¹ and R³² are as defined in claim 1;

(2) reacting the compound prepared in step (1) with a compound represented by R⁷¹-C(=O)-R⁷² wherein R⁷¹ and R⁷² each independently represent a chlorine atom, 4-nitrophenyl, or 1-imidazolyl; and

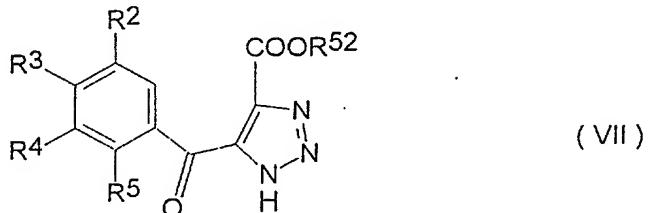
(3) reacting the compound prepared in step (2) with a compound represented by R³³OH wherein R³³ is as defined in claim 1.

23. A process for preparing a compound represented by formula (VI')



wherein Q represents group (i) as defined in claim 1, R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1 and 13, which comprises the steps of:

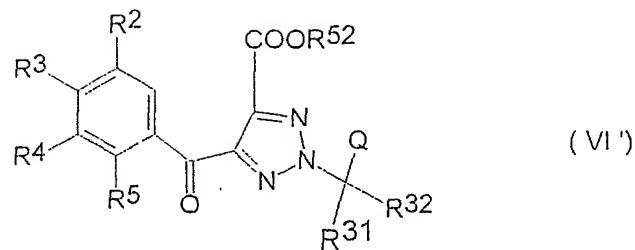
- (1) reacting a compound represented by formula (VII)



wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13, with a compound represented by R³¹R³²C=O wherein R³¹ and R³² are as defined in claim 1; and

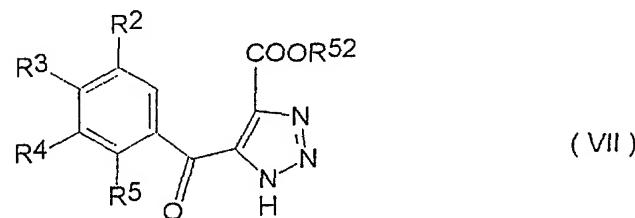
- (2) reacting the compound prepared in step (1) with a compound represented by HalCOOR³³ wherein Hal represents a halogen atom and R³³ is as defined in claim 1, in the presence of an alkali metal carbonate and an alkali metal iodide.

24. A process for producing a compound represented by formula (VI')



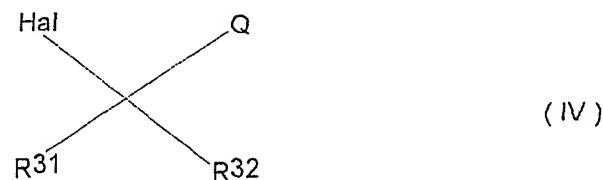
wherein Q represents group (i) as defined in claim 1,
 R² to R⁵, R³¹, R³², and R⁵² are as defined in claims 1
 and 13, which comprises the step of

reacting a compound represented by formula
 (VII)



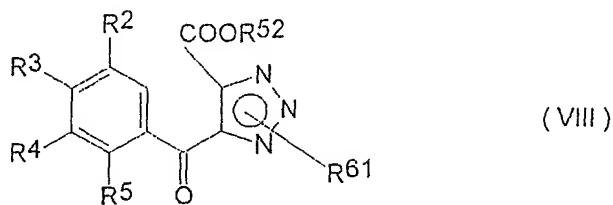
wherein R² to R⁵ and R⁵² are as defined in claims 1 and
 13,

with a compound represented by formula (IV)



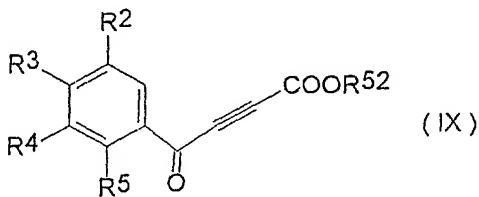
wherein Hal represents a halogen atom, Q represents
 the group (i) as defined in claim 1, and R³¹ and R³²
 are as defined above, in the presence of an inorganic
 base and an alkali metal iodide.

25. A process for preparing a compound represented by formula (VIII)



wherein R² to R⁵, R⁵², and R⁶¹ are as defined in claims 1, 13, and 18, which comprises the step of

- (a) reacting a compound represented by formula (IX)



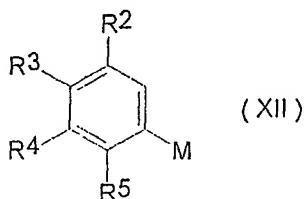
wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,

with a compound represented by formula (X)

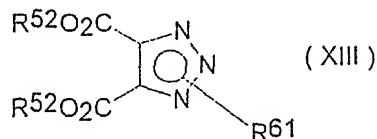


wherein R⁶¹ is as defined in claim 18, or

- (b) reacting a compound represented by formula (XII)

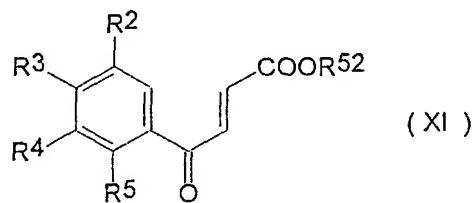


wherein M represents lithium, magnesium chloride, magnesium bromide, magnesium iodide, zinc bromide, zinc iodide, cadmium bromide, iodide cadmium, or copper and R² to R⁵ are as defined in claim 1,
 with a compound represented by formula (XIII)



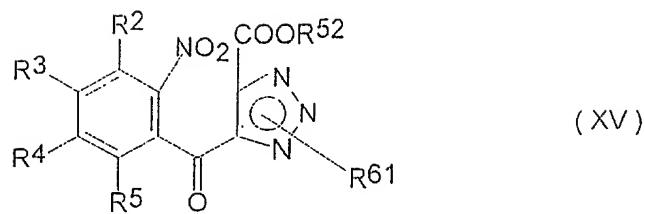
wherein R⁵² and R⁶¹ are as defined in claims 13 and 18.

26. A process according to claim 25, which further comprises the step of, prior to the reaction of the compound represented by formula (IX) with the compound represented by formula (X) in step (a), dehydrogenating a compound represented by formula (XI)

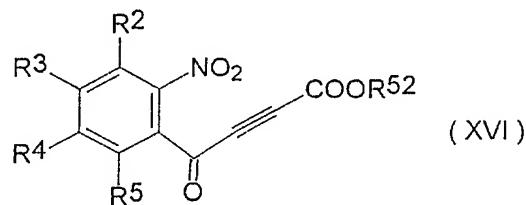


wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,
 to produce the compound represented by formula (IX).

27. A process for producing a compound represented by formula (XV)



wherein R^2 to R^5 , R^{52} , and R^{61} are as defined in claims 1, 13 and 18, which comprises the step of reacting a compound represented by formula (XVI)



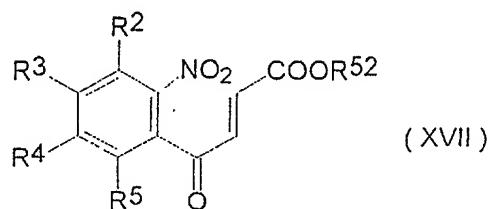
wherein R^2 to R^5 , and R^{52} are as defined in claims 1 and 13,

with a compound represented by formula (X)



wherein R^{61} is as defined in claim 18.

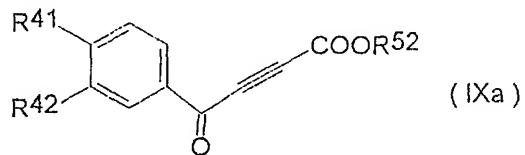
28. A process according to claim 27, which further comprises the step of, prior to the reaction of the compound represented by formula (XVI) with the compound represented by formula (X), a compound represented by formula (XVII)



wherein R² to R⁵ and R⁵² are as defined in claims 1 and 13,

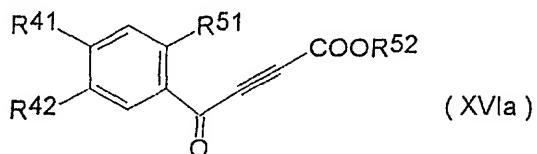
is dehydrogenated to produce the compound represented by formula (XVI).

29. A compound represented by formula (IXa) or a salt or solvate thereof



wherein R⁴¹, R⁴², and R⁵² are as defined above in claims 6 and 13, provided that R⁴¹ and/or R⁴² do not represent a hydrogen atom.

30. A compound represented by formula (XVIa) or a salt or solvate thereof



wherein R⁴¹, R⁴², R⁵¹, and R⁵² are as defined in claims 6 and 13.